CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. (Currently Amended) A plastic control plate ~~of~~ **for** a hydraulic gearbox control device in a motor vehicle, **said plate** comprising

- at least one channel ~~which runs~~ **running** through the plastic control plate ~~and is used~~ for carrying a cooling medium, and

- a heat conduction **metal** body ~~which is~~ **plate** at least ~~partly~~**partially** integrated in the plastic control plate ~~and is~~ arranged directly adjacent to the channel.

2. (Currently Amended) The plastic control plate as claimed in Claim 1, wherein the heat conduction body is ~~a metal plate, in particular~~ an aluminum plate.

3. (Currently Amended) The plastic control plate as claimed in Claim 1, wherein the heat conduction body is ~~designed in such a way that the~~ **arranged directly adjacent and in contact with the channels whereby a** cooling medium~~, in particular a hydraulic fluid,~~ **running through the channels** flows against ~~it~~**said body**.

4. (Original) The plastic control plate as claimed in Claim 1, wherein a flat area of the heat conduction body is designed as a wall area of the channel.

5. (Original) The plastic control plate as claimed in Claim 1, wherein the heat conduction body is designed in the form of a U, wherein the inner sides of the U form wall areas of the channel.

6. (Original) The plastic control plate as claimed in Claim 1, wherein the upper surface of the plastic control plate is flush with the upper surface of the heat conduction body.

7. (Currently Amended) An arrangement comprising a plastic control plate and a gearbox control electronics system~~, wherein the plastic control plate comprises~~ **comprising**:

- **a plastic control plate comprising** at least one channel ~~which runs~~ **running** through the plastic control plate ~~and is used~~ for carrying a cooling medium,~~and~~

- a **metal** heat conduction body ~~which is~~ at least ~~partly~~**partially** integrated in the plastic control plate and ~~is~~ arranged directly adjacent to the **at least one** channel, and ~~wherein~~

~~the gearbox control electronics system, in particular~~ a substrate carrying ~~the~~ electronic components of ~~said~~ **the gearbox control electronics** system[[, is]] arranged directly on the upper surface of the heat conduction body.

8. (Currently Amended) The arrangement as claimed in Claim 7, wherein the gearbox control electronics system is electrically contacted via ~~an electrical~~**a flexible** circuit board~~, in particular a flexible circuit board~~.

9. (Currently Amended) The arrangement as claimed in Claim 7, wherein the gearbox control electronics system is electrically contacted via a stamped-grid arrangement, which extends ~~partly~~**partially** over the upper surface of the plastic control plate and ~~partly~~**partially** over the upper surface of the heat conduction body.

10. (Currently Amended) The arrangement as claimed in Claim 7, wherein the heat conduction body is ~~a metal plate, in particular~~ an aluminum plate.

11. (Currently Amended) The arrangement as claimed in Claim 7, wherein the heat conduction body is ~~designed in such a way that the~~ **arranged whereby a** cooling medium~~, in particular a hydraulic fluid,~~ **running through the at least one channel** flows against ~~it~~**said body**.

12. (Original) The arrangement as claimed in Claim 7, wherein a flat area of the heat conduction body is designed as a wall area of the channel.

13. (Original) The arrangement as claimed in Claim 7, wherein the heat conduction body is designed in the form of a U, wherein the inner sides of the U form wall areas of the channel.

14. (Original) The arrangement as claimed in Claim 7, wherein the upper surface of the plastic control plate is flush with the upper surface of the heat conduction body.

15. (Currently Amended) A gearbox control system comprising:

- a plastic control plate,

- at least one channel ~~which runs~~ running through the plastic control plate for carrying a cooling medium,

- a heat conduction body ~~which is~~ at least ~~partly~~partially integrated in the plastic control plate and ~~is~~ arranged directly adjacent to the at least one channel, and

- a gearbox control circuit arranged on a substrate ~~which is~~ arranged directly on ~~the~~ an upper surface of the heat conduction body, wherein the gearbox control circuit is electrically contacted via a stamped-grid arrangement, partially extending over the upper surface of the plastic control plate and partially over the upper surface of the heat conduction body.

16. (Currently Amended) The gearbox control system as in Claim 15, wherein the gearbox control circuit is electrically contacted via ~~an electrical circuit board, in particular~~ a flexible circuit board.

17. (Canceled)

18. (Currently Amended) The gearbox control system as in Claim 15, wherein the heat conduction body is ~~a metal plate, in particular~~ an aluminum plate.

19. (Original) The gearbox control system as in Claim 15, wherein the heat conduction body is ~~designed in such a way that the~~arranged whereby a cooling medium,

~~in particular a hydraulic fluid,~~**running through the at least one channel** flows against **[[it]]said body**.

20. (Original) The gearbox control system as in Claim 15, wherein a flat area of the heat conduction body is designed as a wall area of the channel.

21. (Original) The gearbox control system as in Claim 15, wherein the heat conduction body is designed in the form of a U, wherein the inner sides of the U form wall areas of the channel.

22. (Original) The gearbox control system as in Claim 15, wherein the upper surface of the plastic control plate is flush with the upper surface of the heat conduction body.